

List of Pages and Lines Exempt from Disclosure

Task Order 12 - Cost Proposal		
Pages 1-2	All lines	Delete the values associated with the price, total contract amounts, pricing rates, and hours. These deletions are essential to prevent a competitor from obtaining access to SAIC confidential financial information critical to our proposal effort. Release of this data could give a competitor an unfair advantage in future procurements by allowing them to underbid SAIC.

Task Order 12 - Task Management Plan		
Page 1 Page 2 Page 3 Page 5	Lines 18-35, 43-45 Lines 1-26, 29-38, 41-46 Lines 3-16, 19-22, 25-30, 33-36 Lines 20-41	These pages describe SAIC's technical approach for accomplishing the Engineering Technology Refresh project SOW. This approach is a result of SAIC's own creative knowledge and experience and is not publicly available. Release of this confidential information would cause substantial harm to SAIC's competitive posture on future procurements by allowing competitors to duplicate this technical approach to SAIC's detriment.
Page 6	Line 1	Delete the names of SAIC personnel. Release of the names of SAIC personnel would allow competitors

		the ability to contact these personnel for the purpose of pirating them away from SAIC, thereby harming our competitive position.
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Task Order 12 - Work Breakdown Structure/GANTT		
(1) Dated Thu 7/13/05 (2) Dated 6/16/05	All Pages (5) All Pages (11)	Delete SAIC's estimated hours for the described taskings. This deletion is essential to prevent a competitor from obtaining access to SAIC confidential pricing information critical to our proposal effort. Release of this data could give a competitor an unfair advantage in future procurements by allowing them to underbid SAIC.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 15 Jul 2005	2. CONTRACT NO. (if any) QA133005CQ1035	6. SHIP TO: WG953023	
3. ORDER NO. 00012	4. REQUISITION/REFERENCE NO. NWWG9500-5-25077	a. NAME OF CONSIGNEE NATIONAL DATA BUOY CENTER	
5. ISSUING OFFICE Address correspondence to: WG953023 NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 DENNIS E. MORRIS 228-688-1705		b. STREET ADDRESS RESOURCES BRANCH /W/OPS53 BUILDING 1100	
7. TO: 00004157 TIN: 953630868		c. CITY STENNIS SPACE CENTER	d. STATE MS
		e. ZIP CODE 39529-6000	
		f. SHIP VIA	

8. TYPE OF ORDER	
<input type="checkbox"/> a. PURCHASE	<input checked="" type="checkbox"/> b. DELIVERY
REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
a. Name of Contractor SCIENCE APPLICATIONS DUNS: 148095086	
b. Company Name	
c. Street Address 10260 CAMPUS POINT DRIVE MAIL STOP G2	
d. City SAN DIEGO	e. State CA f. Zip 921211578
9. ACCOUNTING AND APPROPRIATION BOC: OBLIGATED AMT: \$89,022.78	
See Attached Schedule	
10. REQUISITIONING OFFICE WG952023	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))			
<input type="checkbox"/> a. SMALL	<input checked="" type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> d. WOMEN-OWNED
12. F.O.B. POINT DESTINATION		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE 30 Jun 2006
13. PLACE OF INSPECTION		b. ACCEPTANCE	16. DISCOUNT TERMS 00.00% 0 Days Net 0

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QTY ACCEPT. (g)
	SEE SCHEDULE					

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOTAL (Cont. pages)
21. MAIL INVOICE TO:			
a. NAME NATIONAL DATA BUOY CENTER			US\$ 89,022.78
b. STREET ADDRESS (or P.O. Box) RESOURCES BRANCH /W/OPS53 BUILDING 1100			
c. CITY STENNIS SPACE CENTER	d. STATE MS	e. ZIP CODE 39529-6000	

22. UNITED STATES OF AMERICA BY (Signature)	23. NAME (Typed) TIMOTHY D. BLACK 228-688-2382 (TITLE CONTRACTING/ORDERING OFFICER)
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AUTHORIZED FOR LOCAL REPRODUCTION

Previous edition not usable

OPTIONAL FORM 347 (REV. 6/95)
Prescribed by GSA/FAR 48 CFR 53.213(e)

ORDER FOR SUPPLIES OR SERVICES - Continuation

PAGE OF PAGES

2

3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 15 Jul 2005 CONTRACT NO. (if any) QA133005CQ1035 ORDER NO. 0012

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QTY ACCEPT. (g)
0001	<p>TASK ORDER 05-TOS-12 - ENGINEERING TECHNOLOGY REFRESH FOR NDBC MARINE OBSERVATION NETWORK</p> <p>Provide all labor and materials to accomplish engineering technology refresh for the Marine Observation Network in accordance with the Task Management Plan (TMP). The performance period for this task order is 07/01/2005-03/31/2006.</p> <p>FFP - 1 Option Period</p> <p>Accounting and Appropriation Data: 14.05.C8M5JDBPAB31040401010.200600009 5020000.25130000 \$ 30,000.00 14.05.C2KC4BCPW734010704012.200600009 5000000.25130000 \$ 59,022.78</p>	1	JB	89,022.78	89,022.78	
0002	<p>FFP - Option 1</p> <p>TASK ORDER 05-TOS-12 - ENGINEERING TECHNOLOGY REFRESH FOR NDBC MARINE OBSERVATION NETWORK</p> <p>Provide all labor and materials to accomplish engineering technology refresh for the Marine Observation Network in accordance with the Task Management Plan (TMP). The performance period for this task order is 04/01/2006-06/30/2006.</p> <p>The proposed fixed price for this option is \$29,674.26.</p>	0	JB	0.00	0.00	

DAN L

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 2

2. Amendment/Modification No. 0001
3. Effective Date Sep 16, 2005
4. Requisition/Purchase Req. No. NWWG9500-5-25421
5. Project No. (if applicable)

Issued By NATIONAL DATA BUOY CENTER
RESOURCES BRANCH /W/OPS53
BUILDING 1100
STENNIS SPACE CENTER, MS 39529-6000
TIMOTHY D. BLACK 228-688-2382
Code WG953023
7. Administered By (If other than Item 6) SEE BLOCK 6
Code

8. Name and Address of Contractor (No., Street, County, and Zip Code)
SCIENCE APPLICATIONS INTERNATIONAL CORP Vendor ID: 00004157
10260 CAMPUS POINT DRIVE DUNS: 148095086
MAIL STOP G2
SAN DIEGO CA 921211578 CAGE: 0T5L1
9A. Amendment of Solicitation No.
9B. Date (See Item 11)
10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0012
10B. Date (See Item 13) Jul 15, 2005

Code Facility Code
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (If required)
See Schedule. \$ US 4,750.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

☒ A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in Item 10A.
B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)
X C. This supplemental agreement is entered into pursuant to authority of:
In Scope Change Change within the Terms and Conditions of this Task Order by Mutual Agreement
D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The purpose of this modification is to add Contract Line Item (CLIN) 0003 to this task order.
2. See Page 2 for details concerning this CLIN.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Amanda Carey
Contracts Rep.
16A. Name and title of Contracting Officer (Type or Print) TIMOTHY D. BLACK
Contracting Officer
tim.black@noaa.gov
228-688-2382
15B. Contractor/Officer Amanda Carey
(Signature of person authorized to sign)
15C. Date Signed 9/16/05
16B. United States of America
(Signature of Contracting Officer)
16C. Date Signed 9/19/05

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003	<p>Equitable Adjustment for the failure of an environmental stress test of the 40W HDR transmitter which was part of the Government Furnished Equipment provide for in this task order.</p> <p>Accounting and Appropriation Data: 14.05.C8M5J11PE431040401005.2006000095010 000.25130000 US\$ 4,750.00</p>	1	JB	4,750.00	4,750.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code

Page 1 of Pages 2

2. Amendment/Modification No.

0002

3. Effective Date

Mar 31, 2006

4. Requisition/Purchase Req. No.

NWWG9502-6-27363

5. Project No. (if applicable)

6. Issued By

NATIONAL DATA BUOY CENTER

RESOURCES BRANCH /W/OPS53

BUILDING 1100

STENNIS SPACE CENTER, MS 39529-6000

TIMOTHY D. BLACK 228-688-2382

Code WG953023

7. Administered By (If other than Item 6)

SEE BLOCK 6

Code

8. Name and Address of Contractor (No., Street, County, and Zip Code)

SCIENCE APPLICATIONS INTERNATIONAL CORP
10260 CAMPUS POINT DRIVE
MAIL STOP G2
SAN DIEGO CA 921211578

Vendor ID: 00004157

DUNS: 148095086

CAGE: 0T5L1

(X)

9A. Amendment of Solicitation No.

9B. Date (See Item 11)

10A. Modification of Contract/Order No.

QA1330-05-CQ-1035 0012

10B. Date (See Item 13)

Jul 15, 2005

Code

Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)

See Schedule \$ US 29,674.26

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.

B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)

C. This supplemental agreement is entered into pursuant to authority of:

X D. Other (Specify type of modification and authority)

Exercise Optional CLIN 0002

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

4. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to exercise CLIN 0002 and add funds to this task order. The accounting and appropriation data is new and must be added to the task order.

See page 2 for the details of CLIN 0002. Add the following funds to this task order for CLIN 0002:

1406D8M6J11PK437040406001200600009502000025130000 \$29,674.26

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)

16A. Name and title of Contracting Officer (Type or Print)

TIMOTHY D. BLACK

228-688-2382

Contracting Officer

tim.black@noaa.gov

15B. Contractor/Officer

15C. Date Signed

16B. United States of America

16C. Date Signed

(Signature of person authorized to sign)

(Signature of Contracting Officer)

NSN 7540-01-152-8070

30-105

STANDARD FORM 30 (REV. 10-83)

PREVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0002	<p>FFP - Option 1 Exercised TASK ORDER 05-TOS-12 - ENGINEERING TECHNOLOGY REFRESH FOR NDBC MARINE OBSERVATION NETWORK</p> <p>Provide all labor and materials to accomplish engineering technology refresh for the Marine Observation Network in accordance with the Task Management Plan (TMP). The performance period for this task order is 04/01/2006-06/30/2006.</p> <p>Accounting and Appropriation Data: 14.06.D8M6J11PK437040406001.2006000095020 000.25130000 US\$ 29,674.26</p>	1	JB	29,674.26	29,674.26

Title of Task Order:	Engineering Technology Refresh for the NDBC Marine Observation Network
NDBC Branch:	OPS52 Observing Systems
Performance Period:	July 1, 2005 – June 30, 2006
Task Order Type: (FFP or CPFF)	FFP
Purpose: (How this TO relate's to NDBC's Mission or What Problem needs to be solved)	To provide engineering design, development, and test services to replace or refresh obsolete technology on the Marine Observation Network positively identified by NDBC as obsolete, unsupportable, requiring reliability improvements, or incremental capability not available with present MON systems, and to identify and provide recommendations to NDBC for replacement/refresh of technology that is determined to be obsolete, unsupportable, providing reliability improvements, or is a required incremental capability not available in existing MON systems where cost/benefit warrants replacement.
Background:	From time to time, the electronic components and systems that comprise the NDBC Marine Observation Network are identified as either obsolete, unsupportable, requiring reliability improvements, or requiring improvement to provide an incremental capability not available in existing MON system. This Task Order is intended to address the replacement or upgrade of those components and technologies that have been positively identified as obsolete, no longer supportable, necessary to improve reliability, and/or necessary to provide a required incremental capability not available with existing MON technology. In addition, incremental improvements of technology to the MON are at times identified as warranted to improve supportability, reliability, or provide for incremental addition of capabilities not presently available in the MON systems.
Scope of Effort:	<p>The scope of this task order is to provide engineering design, development, and test support to upgrade or replace technology or components in the Marine Observation Network specifically identified in this task order by NDBC as requiring replacement due to obsolescence, lack of supportability, to improve reliability, or to provide an incremental capability not presently available with existing MON technology. Engineering support shall include:</p> <ul style="list-style-type: none"> • Design, development, and test services to incorporate replacement or refreshed technology and components into the MON • Conducting design reviews, where appropriate and of a scope warranted by the complexity of the refreshed technology

	<ul style="list-style-type: none"> • Recommended design approach based on cost/benefit analysis • Preparation of test plans for operational certification of refreshed technology • Performance of operational certification testing of refreshed technology • Development and/or modification of design documentation, test procedures, and other required documents to incorporate refreshed technology into the operational network. • Provide recommendations for replacement or upgrade of technology or components as they are identified as obsolete, unsupportable, require improvement to enhance reliability, or require improvement to add an incremental capability not available with existing systems or technology
Tasks:	<ol style="list-style-type: none"> 1. Complete operational certification testing of the Satlink 2 high data rate transmitter with amplifier for buoys and associated documentation to integrate the transmitter into the operational network. 2. Prepare a cost/benefit analysis to replace ARGOS TDD positioning system with IRIDIUM positioning, provide a recommendation to proceed based on this analysis, and if approved by NDBC, provide the design and documentation to replace the ARGOS TDD with IRIDIUM positioning. 3. Modify existing payload software, NWSTG software, shore-side processing and database software, and C-MAN tide gauge firmware to bring NDBC tide measurement specification in compliance with National Ocean Service requirements. 4. Integrate a digital GPRS/CDMA modem into existing C-MAN payloads to replace the obsolete analog cellular phones used on C-MAN sites. 5. Upgrade the integrated OEM GPS receiver in ARES payloads to a 3.3 VDC GPS receiver to lower power consumption, address obsolescence, and standardize GPS antennas on MON platforms. 6. Modify payload software, NWSTG software, and shore-side software to support pseudo-binary format for all NDBC GOES messages to reduce message size. 7. Analyze existing power system designs and recommend upgrades/new designs to extend the time between service visits and provide increased capability to support expanded sensor suites by improving the reliability, increasing the power & efficiency,

	<p>reducing physical constraints (size, weight, etc.)/, investigating alternate power sources, and recommending any other applicable technologies/processes.</p> <p>8. Improve present NDBC operational sensor suite by recommending new or replacement sensors that are lower power, smaller size, higher reliability, etc. and meet or exceed the NWS measurement requirements for installation on existing and smaller buoys for extended period of time.</p> <p>9. On NDBC approved candidate sensors perform preliminary evaluation testing and if deemed good operational candidates, perform laboratory and field certification testing and prepare certification reports. Includes the continuation of effort on the following sensors:</p> <ul style="list-style-type: none"> • Vaisala WS425 sonic anemometer • RM Young Ultrasonic anemometer • Climatronics TACMET II Weather Station <p>10. Design and integrate the "integrated" motion sensor 3DMG (with built-in angular rate sensors, accelerometer, and magnetometers) with DWPM/ARES for NDBC Angular Rate Sensor (ARS) directional wave system to replace the existing design of the sensor bracket.</p>
Assumptions/ Constraints (Security, Safety, Accessibility, etc...)	<p>1. System documentation shall be in accordance with NDBC Level A and Level B documentation specifications found in NDBC Instructions NDBC-101.00, NDBC-102.00, NDBC103.00, and NDBC-7007.</p>
Deliverables:	<p>1. An Approach and Management Plan for completion of the tasks listed.</p> <p>2. Implementation Plan (IP) to complete each task listed</p> <ul style="list-style-type: none"> • Work Breakdown Structure (WBS) • Performance Specifications and metrics • Cost, Schedule and Performance Metrics <p>3. Task Order Cost Proposal</p> <p>4. Preliminary Design Reviews with Level B mechanical, electrical, and IT design documentation for each task listed</p> <p>5. Test plans for system validation and operational certification of each task listed.</p>

	<p>6. Draft Green-tag ETPs for each task listed</p> <p>7. Critical Design Review with Level A-ready designs and design documentation for each task listed.</p> <p>8. Bi-Weekly performance reports delivered four days following the end of a period which summarize both the actual and budgeted cost, schedule, and performance information from an earned value management system and present the results of the earned value analysis.</p> <p>9. Quarterly report identifying any technology that has potential to be targeted for refresh and/or upgrade based on obsolescence, lack of supportability, reliability improvements, or incremental upgrades to meet requirements not available with existing MON technology.</p>
GFE/GFI:	GFE/GFI is available to support this effort. The Government will make available payloads, sensors, shop, and lab equipment. The Government requests your technical proposal state whether you intend to utilize the available GFE/GFI.
Program Objectives/ Possible Performance Measures:	The Government requires this task order have performance-based measures that align with the Statement of Objectives and Program Goals contained in this solicitation. The contractor is required to provide a list of proposed measures for this task order with goals for level of service and the outcomes for achieving/not achieving those goals.
Inspection/Acceptance:	Final inspection and acceptance of all work performed, reports generated, and other deliverables will be conducted by the COTR or other designee.
Travel:	Travel is required to support this task order. The contractor shall provide cost estimates for all travel in the cost proposal and the travel expenses must comply with the Federal Travel Regulations.
Required information and/or submittals to be included in the required Task Management Plan (TMP):	<p>1. An Approach and Management Plan for refresh and integration of the technology identified in this task order.</p> <p>2. Implementation Plan (IP)</p> <ul style="list-style-type: none"> a. Work Breakdown Structure (WBS) b. GANTT schedule c. Performance Specifications and metrics d. Cost, Schedule and Performance Metrics <p>3. Task Order Cost Proposal broken out by fiscal quarter consistent with GANTT</p>

TITLE: Engineering Technology Refresh for the NDBC Marine Observation Network

PERIOD OF PERFORMANCE: July 1, 2005 – June 30, 2006

1.0 SCOPE, ASSUMPTIONS AND CRITERIA FOR SUCCESS

1.1 SCOPE: To provide engineering design, development, and test support to upgrade or replace technology or components in the Marine Observation Network specifically identified in this task order by NDBC as requiring replacement due to obsolescence, lack of supportability, to improve reliability, or to provide an incremental capability not presently available with existing MON technology.

1.2 ASSUMPTIONS:

1.2.1

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.0 SOW /TECHNICAL APPROACH

2.1 Statement of Work: The objectives of this task order (TO) are to:

2.1.1 The 5 tasks outlined below will follow the design flow defined in NDBC 7007.

[REDACTED]

TASK MANAGEMENT PLAN
TASK ORDER NUMBER: 05-TOS-12

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.1.7.1 Task #1 - HDR

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

- [REDACTED]

2.1.7.2 Task #2 - Iridium position

[REDACTED]

[REDACTED]

[REDACTED]

2.1.7.4 Task #4 - Digital Modem

[REDACTED]

2.1.7.5 Task #5 - ARES GPS Rx'er

[REDACTED]

2.1.7.7 Task #7 - Upgrade Power Systems

[REDACTED]

2.1.7.9 Task #9 - Evaluate Sensors

[REDACTED]

2.2 Management Approach

2.2.1 See Attachment A: WBS layout

3.0 SCHEDULE

TASK MANAGEMENT PLAN
TASK ORDER NUMBER: 05-TOS-12:

3.1 See Attachment C: Program Performance Schedule

3.2 Delivery Schedule

Deliverables/Submittals	Due Date
An Approach and Management Plan for completion of the tasks listed.	Submitted as part of this proposal
Implementation Plan (IP) to complete each task listed	
<ul style="list-style-type: none"> Work Breakdown Structure (WBS) 	Submitted as part of this proposal
<ul style="list-style-type: none"> Performance Specifications and metrics 	Submitted as part of this proposal
<ul style="list-style-type: none"> Cost, Schedule and Performance Metrics 	Submitted as part of this proposal
Task Order Cost Proposal	Submitted as part of this proposal
Preliminary Design Reviews with Level B mechanical, electrical, and IT design documentation for each task listed	As Required for PDR
Test plans for system validation and operational certification of each task listed.	As Required
Draft Green-tag ETPs for each task listed	As Required
Critical Design Review with Level A-ready designs and design documentation for each task listed	As Required for CDR
Report identifying any technology that has potential to be targeted for refresh and/or upgrade based on obsolescence, lack of supportability, reliability improvements, or incremental upgrades to meet requirements not available with existing MON technology.	Quarterly

4.0 DELIVERABLES

Deliverables/Submittals	Acceptance Criteria
An Approach and Management Plan for completion of the tasks listed.	Upon Submission
Implementation Plan (IP) to complete each task listed	
<ul style="list-style-type: none"> Work Breakdown Structure (WBS) 	Upon Submission
<ul style="list-style-type: none"> Performance Specifications and metrics 	Upon Submission
<ul style="list-style-type: none"> Cost, Schedule and Performance Metrics 	Upon Submission
Task Order Cost Proposal	Upon Submission

TASK MANAGEMENT PLAN
TASK ORDER NUMBER: 05-TOS-12

Deliverables/Submittals	Acceptance Criteria
Preliminary Design Reviews with Level B mechanical, electrical, and IT design documentation for each task listed	Upon completion of PDR plus one round of review
Test plans for system validation and operational certification of each task listed.	Upon Submission (one NDBC review)
Draft Green-tag ETPs for each task listed	Upon Submission (one NDBC review)
Critical Design Review with Level A-ready designs and design documentation for each task listed	Upon completion of CDR plus one round of review
Report identifying any technology that has potential to be targeted for refresh and/or upgrade based on obsolescence, lack of supportability, reliability improvements, or incremental upgrades to meet requirements not available with existing MON technology.	Upon Submission (one NDBC review)

5.0 PERFORMANCE SPECIFICATIONS AND METRICS

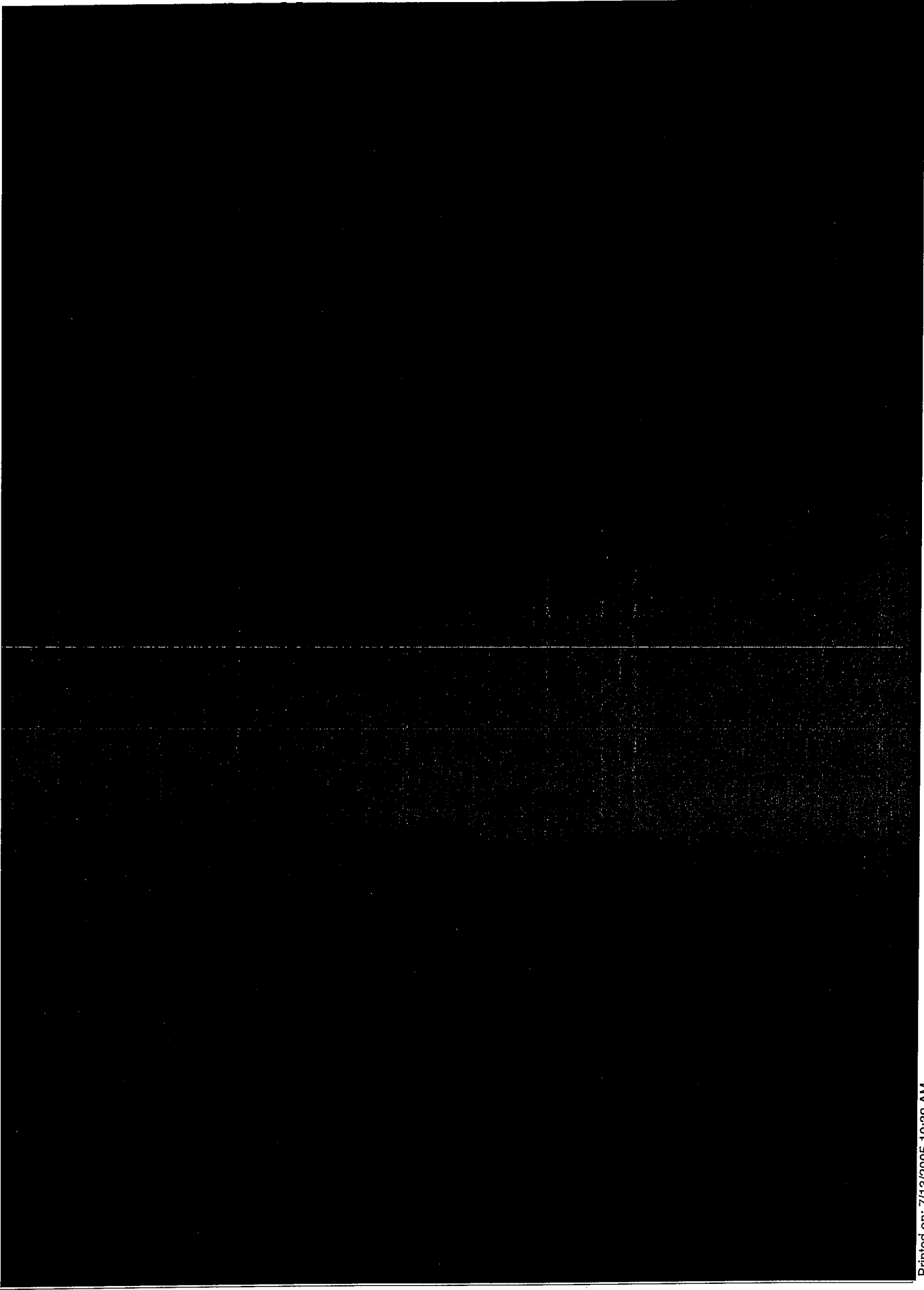
[REDACTED]		[REDACTED]					
[REDACTED]	[REDACTED]	3.25%	7.00%	1.00%	10.00%	10.2%	1.50%
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]					
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]					

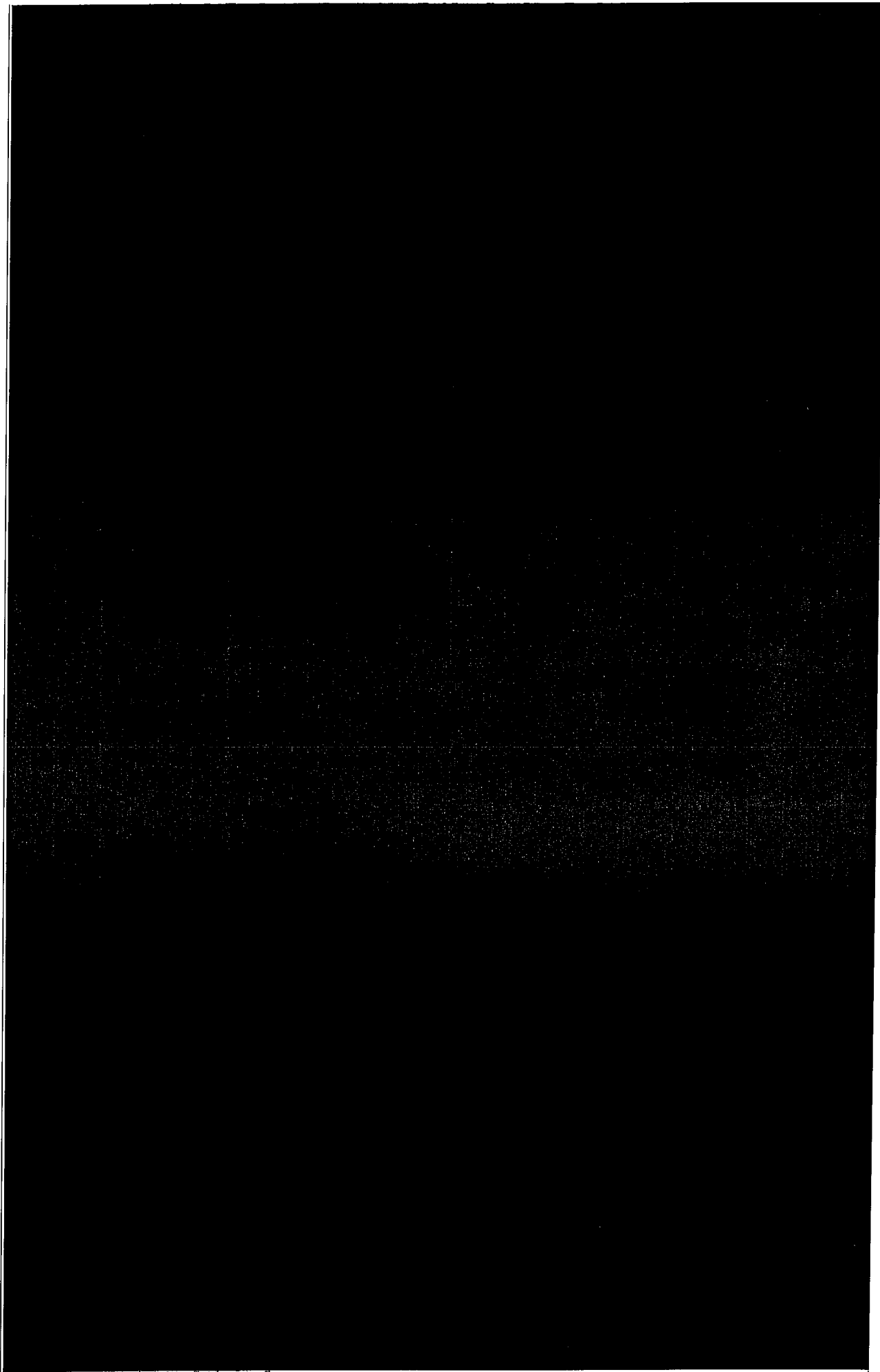
6.0 KEY PERSONNEL

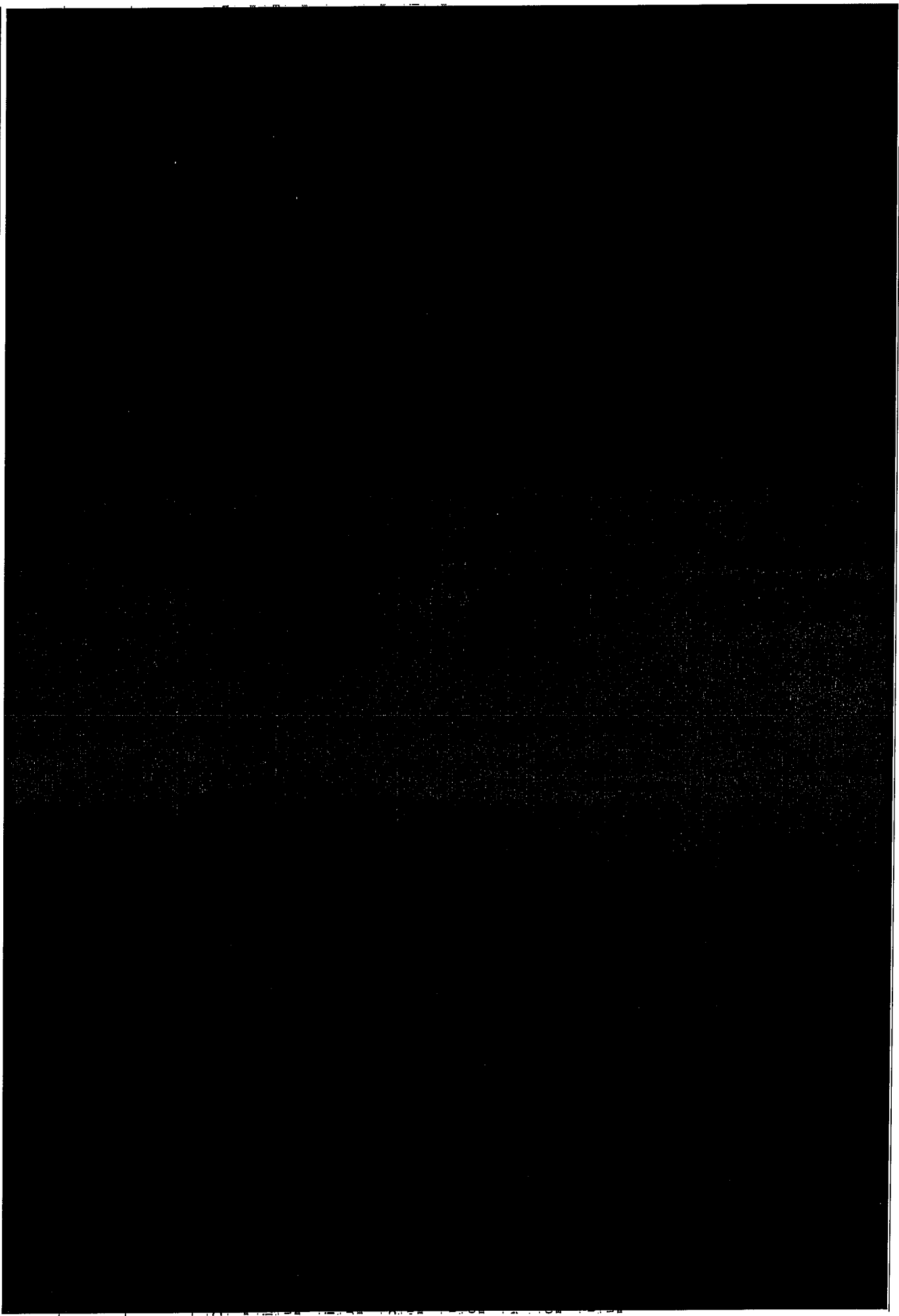
6.1 

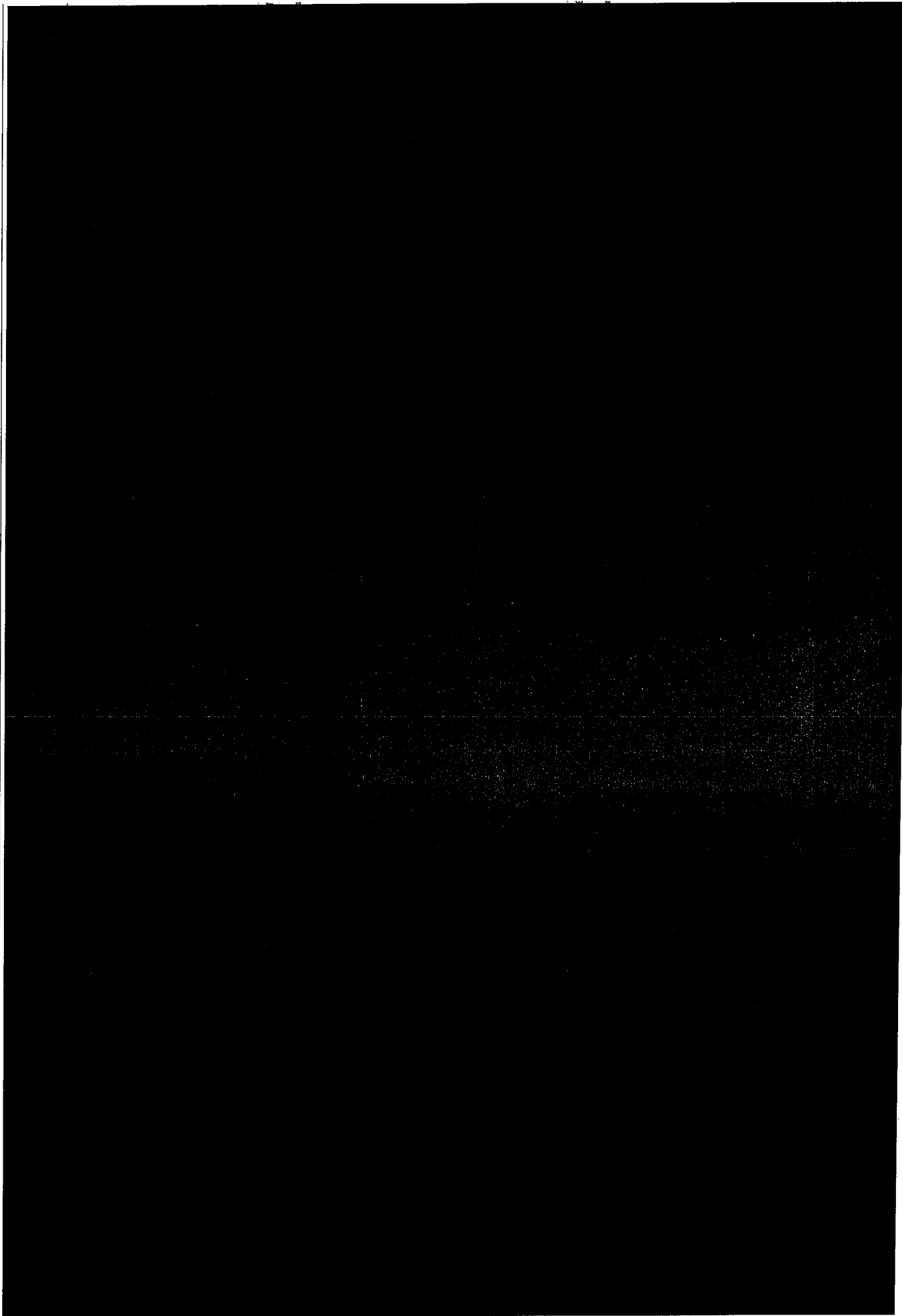
7.0 PRICE PROPOSAL – See Attached

8.0 PAYMENT TERMS – Invoices shall be submitted upon completion of each SAIC accounting period. This consists of 13 equal payments over the 1 year of performance. Payment shall be made within 30 days.









CONFIDENTIAL

TASK ORDER #12

Engineering Technology Refresh for the NDBC Marine Observation Network

POP: 07/01/05-06/30/06

DIRECT LABOR HOURS



Task Order No.

#12

From: 7/1/2005
To: 6/30/2006

Travel

From	To	Purpose	Conference/ Training Fees	Airfare	# of Trips	No. of People Per Trip	Days (Per trip)	Nights (Per Trip)	No. of Cars	POV mileage/ RT 100	Lodging Rate	Meal Rate	Total	Conference/ Training Totals
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ID	Task Name	Work	Start	Finish	005 Qtr 3, 2005 Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct	Qtr 1, 2006 Jan Feb Mar Apr May Jun Jul Aug Sep Oct	Qtr 2, 2006 Jan Feb Mar Apr May Jun Jul Aug Sep Oct	Qtr 3, 2006 Jan Feb Mar Apr May Jun Jul Aug Sep Oct
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Task Split Progress

Milestone Summary Project Summary

External Tasks External Milestone Deadline

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ID	Task Name	Work	Start	Finish	005 Qtr 3, 2005 Jun, Jul, Aug	006 Qtr 4, 2005 Sep, Oct, Nov	007 Qtr 1, 2006 Dec, Jan, Feb	008 Qtr 2, 2006 Mar, Apr, May	009 Qtr 3, 2006 Jun, Jul, Aug	010 Qtr 4, 2006 Sep, Oct, Nov
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Task

Split

Progress

Milestone

Summary

Project Summary

External Tasks

External Milestone

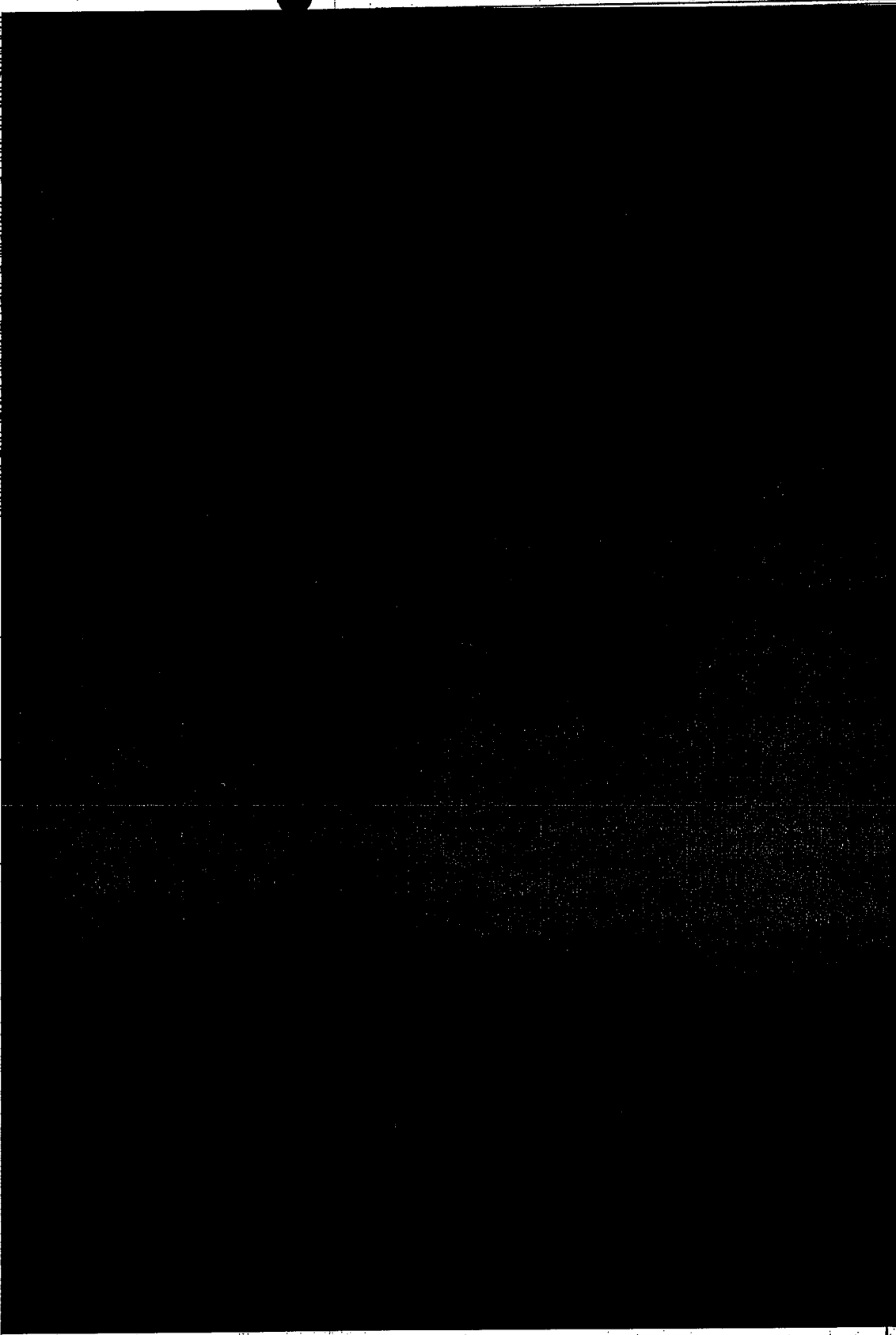
Deadline

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Task

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Progress

Milestone

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ID	Task Name	Work	Start	Finish	005	Qtr 3, 2005	Qtr 4, 2005	Qtr 1, 2006	Qtr 2, 2006	Qtr 3, 2006	Qtr 4, 2006
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ID	Task Name	Work	Start	Finish	005	Qtr 3, 2005	Qtr 4, 2005	Qtr 1, 2006	Qtr 2, 2006	Qtr 3, 2006	Qtr 4, 2006
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Task

Milestone

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External Tasks

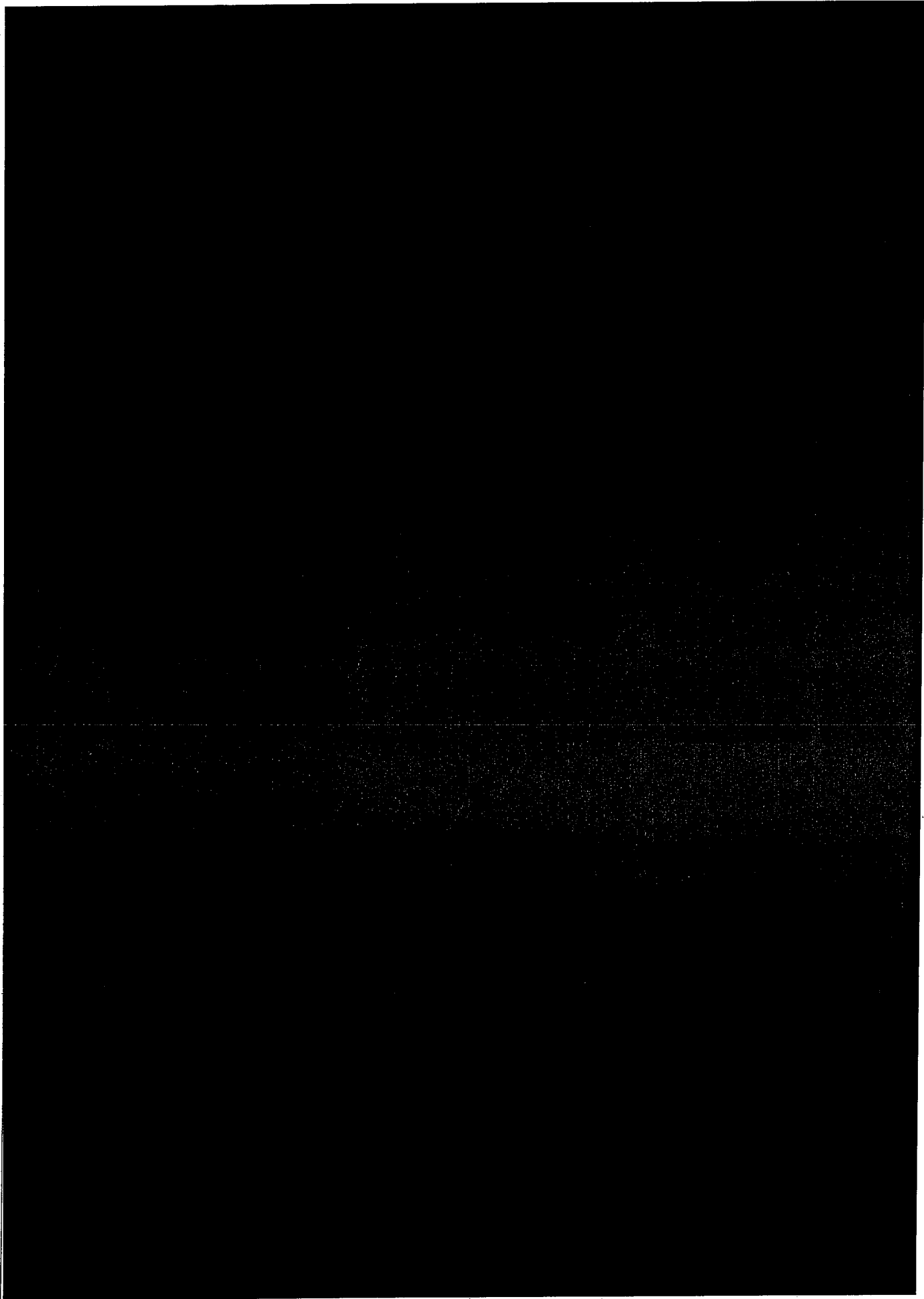
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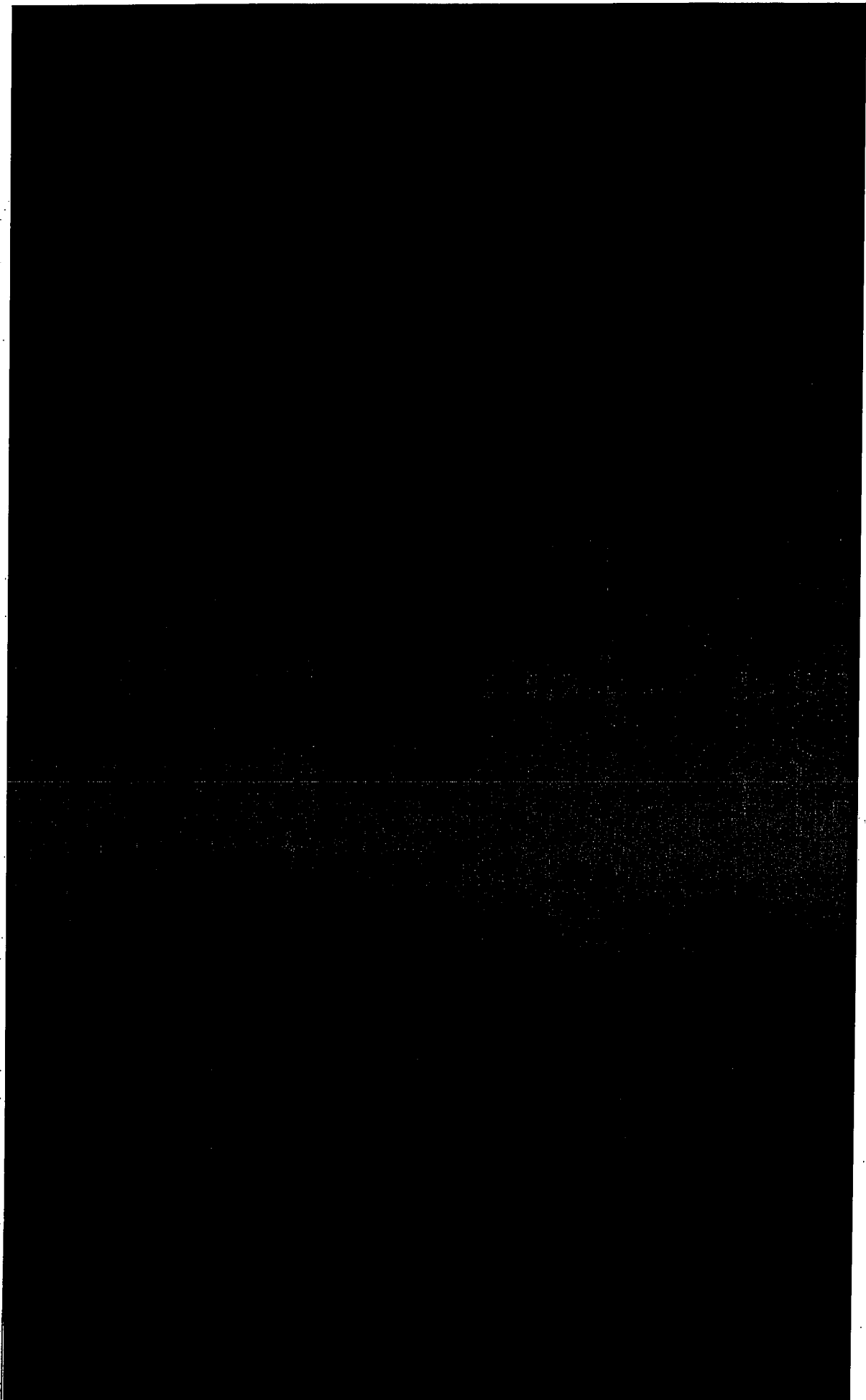
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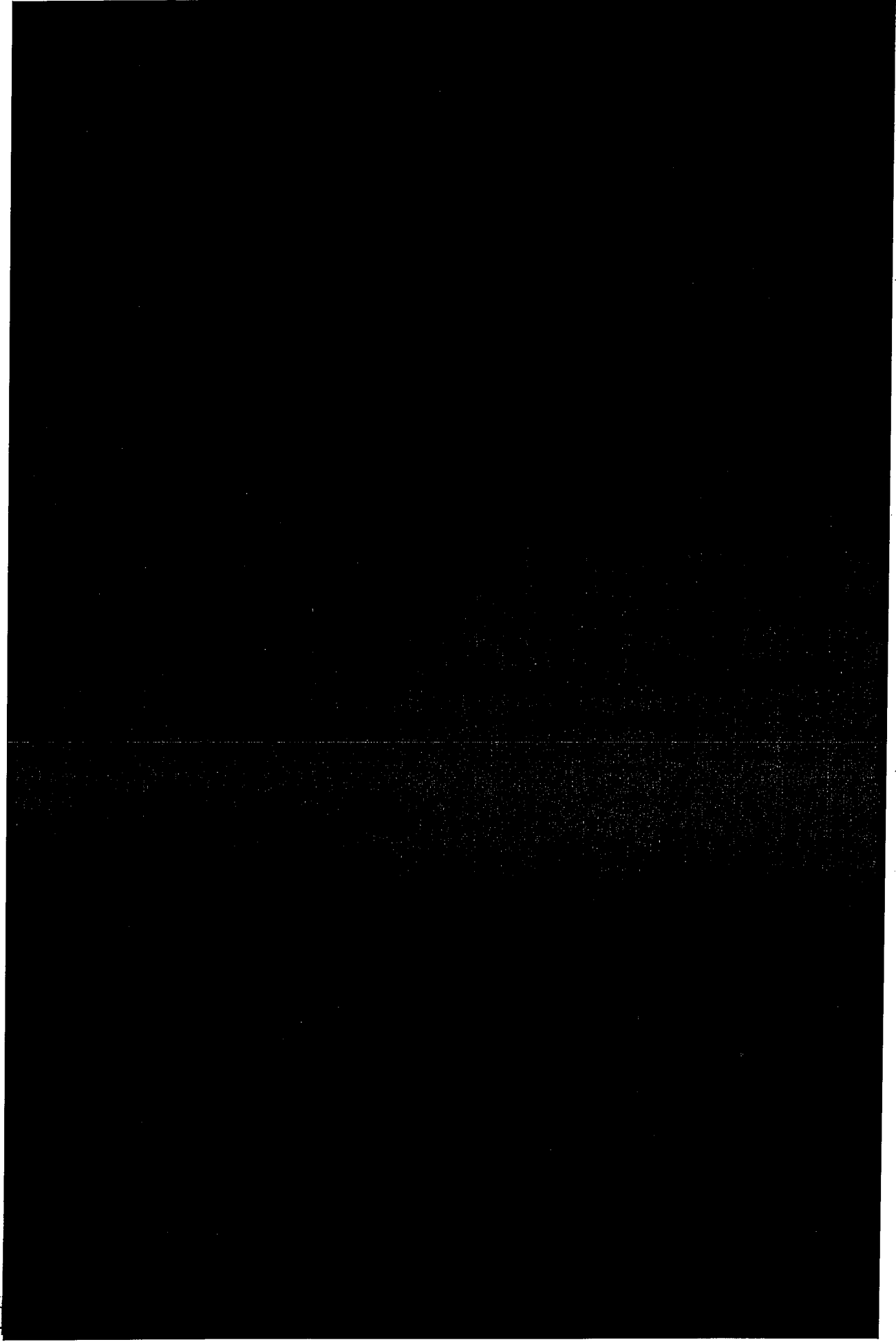
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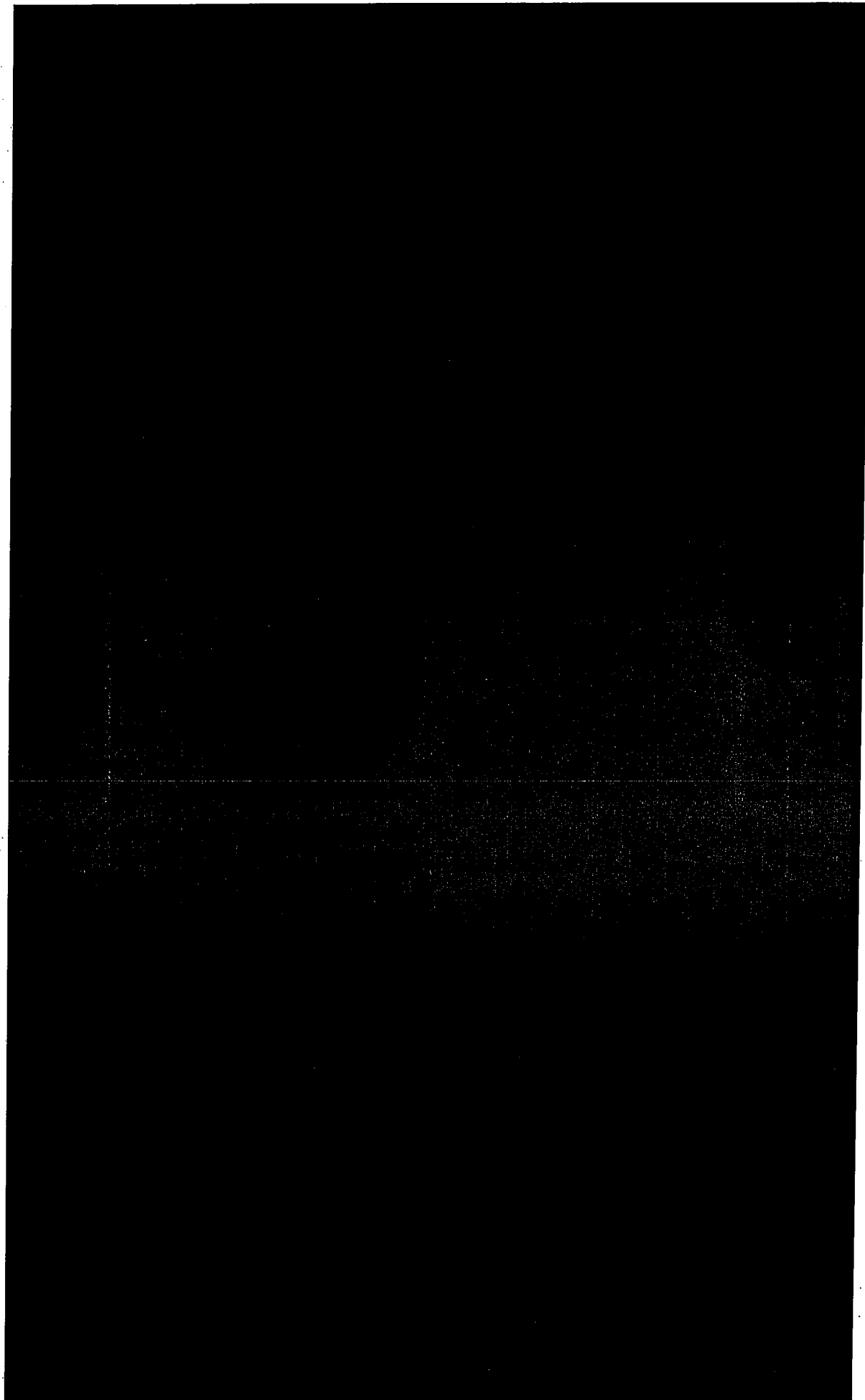
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